WHAT IS CLAIMED IS:

1	. An apparatus comprising:	
2	UI view definition for a user interface; and	
3	UI view manager operable to dynamically generate the use	er interface from
4	the UI view definition, wherein the UI view manager	instantiates a
5	wrapped control as part of the user interface.	
1	The apparatus of claim 1 wherein	
2	he wrapped control comprises:	
3	a control; and	
4	a wrapper;	
5	nd	
6	he UI view manager instantiates the wrapped control by pro	oviding the control
7	as part of the user interface using the wrapper.	
1	The apparatus of claim 1 wherein	
2	he user interface comprises a plurality of controls, the wrap	ped control being
3	one of the controls.	
1	The apparatus of claim 1 wherein	
2	he UI view manager is operable to dynamically add a new v	vrapped control to
3	the user interface.	
1	The apparatus of claim 1 wherein	
2	he user interface includes a plurality of controls; and	
3	he UI view manager is operable to dynamically remove an e	existing control of
4	the controls from the user interface.	
1	The apparatus of claim 1 wherein	
2	he UI view manager is operable to dynamically change a fu	nction of the
3	wrapped control.	
1	. The apparatus of claim 1 further comprising:	
2	UI container, wherein	

3		the user interface is provided within an environment provided by the
4		UI container.
1	8.	The apparatus of claim 1 wherein
2	the UI	view manager provides the wrapped control as part of the user interface
3		by including a user interface element of the wrapped control in the user
4		interface.
1	9.	The apparatus of claim 1 wherein the UI view manager instantiates the
2	wrapped contr	rol as part of the user interface by:
3	provid	ling functionality of the wrapped control to be performed in response to
4		activating a user interface element of the wrapped control in the user
5		interface.
1	10.	The apparatus of claim 1 wherein the wrapped control comprises:
2	code to	o implement a control interface, wherein the implementation of the
3		control interface enables the UI view manager to invoke some behavior
4		of the wrapped control by invoking methods of the implementation of
5		the control interface.
1	11.	The apparatus of claim 1 wherein
2	the UI	view manager contains an implementation of a UI view interface and
3	the wr	rapped control invokes function of the UI view interface implementation
4		of the UI view interface to communicate with the UI view manager.
1	12.	The apparatus of claim 1 wherein
2	the UI	view manager is operable to dynamically generate the user interface in
3		response to a change to the UI view definition.
1	13.	The apparatus of claim 1 further comprising:
2	a user	interface designer for providing a UI view definition.
1	14.	The apparatus of claim 1 wherein
2	the UI	view definition corresponds to an XML file.
1	15.	The apparatus of claim 1 wherein

2	the UI view definition comprises a control definition for the wrapped control,
3	wherein the control definition specifies a user interface element of the
4	wrapped control and a program identifier of code to provide
5	functionality of the wrapped control.
1	16. The apparatus of claim 1 wherein
2	the UI view definition comprises a panel definition for a panel of the user
3	interface.
1	17. The apparatus of claim 16 wherein
2	the panel definition comprises a control definition for a control to be presented
3	in the panel, wherein the control definition specifies a user interface
4	element of the control and a program identifier of code to provide
5	functionality of the control.
1	18. A method for providing a user interface comprising:
2	generating a user interface from a UI view definition and dynamically editing
3	the user interface,
4	wherein
5	the generating includes creating a wrapper for generating a wrapped
6	control as part of the user interface.
1	19. The method of claim 18 further comprising:
2	dynamically adding a new wrapped control to the user interface.
1 .	20. The method of claim 18 further comprising:
2	dynamically changing a function of the wrapped control.
1	21. The method of claim 18 further comprising:
2	dynamically removing an existing wrapped control from the user interface.
1	22. The method of claim 18 further comprising:
2	sending a message to the wrapped control via a control interface associated
3	with the wrapper.
1	23. The method of claim 18 further comprising:

- 2 receiving a message from the wrapped control via a UI view interface 3 associated with a UI view manager.
 - 24. The method of claim 18 wherein creating a wrapper comprises: implementing at least one function of a control interface.
 - 25. The method of claim 24 wherein the at least one function is selected from the set a first function to cause the control to read its internal data, a second function to cause the control to load a property of the control from the UI view definition, a third function to save a property of the control to the UI view definition, a fourth function to return a license key for the control, a fifth function to initialize a property of the control, and a sixth function to receive a notification about a user interface event.
 - 26. The method of claim 18 further comprising:
 - yiew interface the function selected from the set a first function returning a table of references to business objects, a second function returning a parameter to provide scope of access to a control of the user interface, a third function to register a control for providing alarm information to the control, a fourth function to deregister a control to terminate providing alarm information to the control, a fifth function to create a user interface panel for housing controls, a sixth function to create a user interface panel for adding a control to a user interface panel, a seventh function to remove a panel from the user interface, an eight function to remove a control from a user interface panel, a ninth function to activate or deactive a control, a tenth function to display a text message of a control on a status message panel.
 - 27. A computer system comprising:
- a processor;
- a display screen, coupled to said processor;
- 4 computer readable medium coupled to said processor; and
- 5 computer code, encoded in said computer readable medium,

O	configured to cause said processor to dynamically generate a user
7	interface from a UI view definition on the display screen,
8	by virtue of being configured to cause said processor to:
9	use a wrapper to generate a wrapped control as part of the user
10	interface.
1	28. The computer system of claim 24 wherein
2	said processor is further configured to dynamically add a new wrapped contro
3	to the user interface.
1	29. The computer system of claim 24 wherein
2	said processor is further configured to dynamically change a function of the
3	wrapped control.
1	30. The computer system of claim 24 wherein
2	said processor is further configured to dynamically remove an existing
3	wrapped control from the user interface.
1	31. The computer system of claim 24 wherein
2	said processor is further configured to dynamically send a message to the
3	wrapped control via a control interface associated with the wrapper.
1	32. The computer system of claim 24 wherein
2	said processor is further configured to dynamically receive a message from the
3	wrapped control via a UI view interface associated with a UI view
4	manager.
1	33. A computer program product comprising:
2	generating instructions to dynamically generate a user interface from a UI
3	view definition, wherein
4	the generating instructions include using instructions for using a
5	wrapper to generate a wrapped control as part of the user
6	interface;
7	and
8	a computer-readable medium that stores the generating instructions and the

9	using instructions.		
1	34. The computer program product of claim 33 further comprising:		
2	adding instructions to dynamically add a new wrapped control to the user		
3	interface;		
4	and wherein		
5	the computer-readable medium further stores the adding instructions.		
1	35. The computer program product of claim 33 further comprising:		
2	changing instructions to dynamically change a function of the wrapped		
3	control;		
4	and wherein		
5	the computer-readable medium further stores the changing instructions.		
1	36. The computer program product of claim 33 further comprising:		
2	removing instructions to dynamically remove an existing wrapped control		
3	from the user interface;		
4	and wherein		
5	the computer-readable medium further stores the removing instructions.		
1	37. The computer program product of claim 33 further comprising:		
2	sending instructions to send a message to the wrapped control via a control		
3	interface associated with the wrapper;		
4	and wherein		
5	the computer-readable medium further stores the sending instructions.		
1	38. The computer program product of claim 33 further comprising:		
2	receiving instructions to receive a message from the wrapped control via a UI		
3	view interface associated with a UI view manager;		
4	and wherein		
5	the computer-readable medium further stores the receiving instructions.		
1	39. An apparatus comprising:		
2	generating means for dynamically generating a user interface from a UI view		
3	definition,		

4	wherein		
5	the generating means includes using means for using a wrapper for generating		
6	a wrapped control as part of the user interface.		
1	40. The apparatus of claim 39 further comprising:		
2	adding means for dynamically adding a new wrapped control to the user		
3	interface.		
1	41. The apparatus of claim 39 further comprising:		
2	changing means for dynamically changing a function of the wrapped control.		
1	42. The apparatus of claim 39 further comprising:		
2	removing means for dynamically removing an existing wrapped control from		
3	the user interface.		
1	43. The apparatus of claim 39 further comprising:		
2	sending means for sending a message to the wrapped control via a control		
3	interface associated with the wrapper.		
1	44. The apparatus of claim 39 further comprising:		
2	receiving means for receiving a message from the wrapped control via a UI		
3	view interface associated with a UI view manager.		
1	45. A system comprising:		
2	a wrapped control; and		
3	a UI view manager, wherein		
4	the UI view manager dynamically provides the wrapped control as part		
5	of a user interface.		
1	46. A system comprising:		
2	a wrapped control comprising:		
3	a control; and		
4	a wrapper around the control;		
5	and		
6	a UI view manager, wherein		

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8		control as part of a user interface.
1	47.	A signal embodied in a carrier wave comprising:
2	genera	ating instructions to dynamically generate a user interface from a UI
3		view definition, wherein
4		the generating instructions include using instructions for using a
5		wrapper to generate a wrapped control as part of the user
6		interface.
1	48.	A signal embodied in a carrier wave comprising:

the UI view manager uses the wrapper to dynamically provide the

48. A signal embodied in a carrier wave comprising:
a user interface 100 produced by generating instructions to dynamically generate the user interface from a UI view definition, wherein the generating instructions include using instructions for using a wrapper to generate a wrapped control as part of the user interface.